OPERATING DATA

FOR THE

MODEL CA-4 ADAPTER

WHEN USED WITH

MODEL 6000-6005

ROLL CHART TUBE TESTER

HICKOK

Note 1: Connect lead provided to the top cap of the tube to be tested. The operating function of the cap will then be determined by the selector settings.

Note 2: The symbol # in the Bias column indicates Bias should be set at 100 and with Test button pressed rotate Bias dial until tube strikes.

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INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER

WITH A ROLL-CHART TUBE TESTER

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvistors, and 10-pin header tubes.

The CA-4 Adapter consists of:

a) Eight (8) rotary switches which are used to select the pins of each individual element of the tube to be tested.

b) Five (5) tube sockets.

c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.

d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. The following table lists the pin numbers of the test plug and the associated tube element switch.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.

MODEL 6000-6005 TUBE TESTERS

Supplementary Data - CA-4 Adapter

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
1AD2	1.5	1C00-0000	0	42	F ----	CAP = P on Adapter OK above Diodes OK
2AH2	2.5	1C00-0000	0	79	F ----	CAP = P on Adapter OK above Diodes OK
2AS2	2.5	1C00-0000	0	80	F ----	CAP = P on Adapter OK above Diodes OK
2CW4	2.0	AC40-2080	23	79	A 2600	
2DS4	2.0	AC40-2080	22	79	A 2600	
2DV4	2.0	AC60-1070	27	88	A 4600	
3AT2	3.0	1C00-0000	0	84	F ----	CAP = P on Adapter OK above Diodes OK
3AW2	3.0	2C00-0000	0	87	F ----	CAP = P on Adapter OK above Diodes OK
4HA7	4.3	1C90-A040	20	76	A 2500	Triode No. 1
4HA7	4.3	1CB0-2030	16	16	A 750	Triode No. 2
4HC7	4.3	1C90-A040	12	84	A 3500	Triode No. 1
4HC7	4.3	1CB0-2030	19	27	A 700	Triode No. 2
5BC3	5.0	1300-9000	0	74	D ----	Plate No. 1
5BC3	5.0	1300-5000	0	82	D ----	Plate No. 2
5HA7	5.0	1C90-A040	20	76	A 2500	Triode No. 1
5HA7	5.0	1CB0-2030	16	16	A 750	Triode No. 2
5HC7	5.0	1C90-A040	12	84	A 3500	Triode No. 1
5HC7	5.0	1CB0-2030	19	27	A 700	Triode No. 2
6AC9	6.3	1C90-BA87	10	87	A 4200	Pentode Sect.
6AC9	6.3	1C00-3040	0	85	C ----	Diode No. 1
6AC9	6.3	1C00-2030	0	85	C ----	Diode No. 2
6AC10	6.3	1C90-A040	14	85	A 3700	Triode No. 1
6AC10	6.3	1C70-5060	14	85	A 3700	Triode No. 2
6AC10	6.3	1CB0-2030	14	85	A 3700	Triode No. 3
6AD10	6.3	1C30-7625	17	62	A 2900	Pentode No. 1
6AD10	6.3	1C80-BA90	7	89	A 4400	Pentode No. 2
6AF11	6.3	1CB0-2A90	10	88	A 4900	Pentode Sect.
6AF11	6.3	1C60-8050	18	77	A 2400	Triode No. 1
6AF11	6.3	1C30-4070	10	80	A 2800	Triode No. 2
6AG11	6.3	1C50-6040	16	87	A 4000	Triode No. 1
6AG11	6.3	1C80-7090	16	87	A 4000	Triode No. 2
6AG11	6.3	1C00-A0B0	0	80	C ----	Diode No. 1
6AG11	6.3	1C00-3020	0	80	C ----	Diode No. 2
6AL11	6.3	1C80-BA90	14	87	A 4300	Pentode No. 1
6AL11	6.3	1C30-6724	20	21	A 620	Pentode No. 2
6AR11	6.3	1CA0-89B7	10	81	A 2700	Pentode No. 1
6AR11	6.3	1C50-2364	10	81	A 2700	Pentode No. 2
6AS11	6.3	1CB0-2A90	10	89	A 5000	Pentode Sect.
6AS11	6.3	1C60-8050	14	86	A 3800	Triode No. 1
6AS11	6.3	1C30-4070	16	84	A 3300	Triode No. 2
6AV11	6.3	1C90-A040	23	79	A 2400	Triode No. 1
6AV11	6.3	1C70-5060	23	79	A 2400	Triode No. 2
6AV11	6.3	1CB0-2030	23	79	A 2400	Triode No. 3
6AX3	6.3	1C00-4070	0	82	D ----	
6AY3	6.3	4500-2090	0	87	D ----	
6AY11	6.3	1C80-7090	20	22	A 660	Triode No. 1
6AY11	6.3	1C50-6040	20	22	A 660	Triode No. 2
6AY11	6.3	1C00-A0B0	0	77	C ----	Diode No. 1
6AY11	6.3	1C00-3020	0	77	C ----	Diode No. 2

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.		NOTATIONS
6B10	6.3	1C50-6070	21	82	A	2500	Triode No. 1
6B10	6.3	1C30-4020	21	82	A	2500	Triode No. 2
6B10	6.3	1C00-A090	0	78	C	----	Diode No. 1
6B10	6.3	1C00-8090	0	78	C	----	Diode No. 2
6BA3	6.3	4500-2090	0	84	D	----	
6BA11	6.3	1C40-6387	10	15	A	600	Pentode No. 1
6BA11	6.3	1C40-2385	10	15	A	600	Pentode No. 2
6BA11	6.3	1C90-B0A0	30	62	A	1600	Triode Sect.
6BD11	6.3	1CB0-2A90	13	87	A	4500	Pentode Sect.
6BD11	6.3	1C60-8050	17	78	A	2500	Triode No. 1
6BD11	6.3	1C30-4070	11	80	A	2750	Triode No. 2
6BE3	6.3	1C00-A070	0	89	D	----	
6BF11	6.3	1C80-BA90	25	88	A	5000	Pentode No. 1
6BF11	6.3	1C30-7625	13	7	A	540	Pentode No. 2
6BH3	6.3	4500-2090	0	87	D	----	
6BH11	6.3	1C80-A9B0	10	84	A	3500	Pentode Sect.
6BH11	6.3	1C60-7050	18	89	A	5100	Triode No. 1
6BH11	6.3	1C40-3020	18	89	A	5100	Triode No. 2
6BJ3	6.3	1C00-A070	0	88	D	----	
6BK11	6.3	1C90-A040	20	39	A	850	Triode No. 1
6BK11	6.3	1C70-5060	19	7	A	550	Triode No. 2
6BK11	6.3	1CB0-2030	19	7	A	550	Triode No. 3
6BN11	6.3	1C70-B98A	10	85	A	3800	Pentode No. 1
6BN11	6.3	1C30-5426	10	85	A	3800	Pentode No. 2
6BS3	6.3	4500-2090	0	83	D	----	
6C9	6.3	4570-9860	15	85	A	3200	Tetrode No. 1
6C9	6.3	4510-32A0	15	85	A	3200	Tetrode No. 2
6C10	6.3	1C90-A040	12	58	A	1250	Triode No. 1
6C10	6.3	1C70-5060	12	58	A	1250	Triode No. 2
6C10	6.3	1CB0-2030	12	58	A	1250	Triode No. 3
6CD3	6.3	1C00-A070	0	93	D	----	
6CE3	6.3	1C00-4070	0	86	C	----	
6CG3	6.3	1C00-4070	0	86	C	----	
6CJ3	6.3	4500-2090	0	86	C	----	
6CW4	6.3	AC40-2080	23	79	A	2600	
6D10	6.3	1C90-A040	18	78	A	2500	Triode No. 1
6D10	6.3	1C70-5060	18	78	A	2500	Triode No. 2
6D10	6.3	1CB0-2030	18	78	A	2500	Triode No. 3
6DS4	6.3	AC40-2080	22	79	A	2600	
6DV4	6.3	AC60-1070	27	88	A	4600	
6DW4	6.3	4500-2090	0	89	D	----	
6FJ7	6.3	1CA0-B090	20	78	A	2300	Triode No. 1
6FJ7	6.3	1C30-5070	16	91	A	7000	Triode No. 2
6FM7	6.3	1CA0-B090	20	46	A	950	Triode No. 1
6FM7	6.3	1C80-5070	62	88	A	5250	Triode No. 2
6FY7	6.3	1CA0-B090	20	32	A	800	Triode No. 1
6FY7	6.3	1C30-5070	54	92	A	6500	Triode No. 2
6G11	6.3	1C80-BA90	19	90	A	5600	Pentode No. 1
6G11	6.3	1C30-6724	10	10	A	500	Pentode No. 2
6GA7	6.3	1C40-7350	58	89	A	4500	Pentode Sect.
6GA7	6.3	1C00-B080	0	85	D	----	Diode Sect.
6GE5	6.3	1CB0-72A0	48	90	A	6000	
6GF5	6.3	1CB0-72A0	54	89	A	4800	
6GF7	6.3	4590-8010	19	35	A	700	Triode No. 1
6GF7	6.3	4520-6030	57	91	A	7200	Triode No. 2

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
6GJ5	6.3	4560-0730	28	91	B 6600	CAP = P on Adapter
6GT5	6.3	4560-9730	28	91	B 6600	
6GV5	6.3	1C90-0BA0	44	91	A 7000	CAP = P on Adapter
6GY5	6.3	1C50-07A0	30	92	B 9000	CAP = P on Adapter
6HB5	6.3	1CB0-72A0	57	89	A 5600	
6HD5	6.3	1CB0-79A0	54	89	A 6000	
6HE5	6.3	1C90-6AB0	23	87	A 4500	
6HE7	6.3	1C90-5B80	54	91	A 7000	Pentode Sect.
6HE7	6.3	1C00-2040	0	86	C ----	Diode Sect.
6HF5	6.3	1C90-0BA0	62	88	A 4300	CAP = P on Adapter
6HJ5	6.3	1CB0-792A	54	90	A 6500	
6J9	6.3	4570-80A0	17	81	A 3000	Triode No. 1
6J9	6.3	4590-60A0	17	81	A 3000	Triode No. 2
6J9	6.3	4520-1030	17	81	A 3000	Triode No. 3
6J10	6.3	1C70-4685	6	27	B 700	Pentode No. 1
6J10	6.3	1CB0-9230	16	88	A 4350	Pentode No. 2
6J11	6.3	1CB0-978A	10	57	A 4000	Pentode No. 1
6J11	6.3	1C50-3264	10	57	A 4000	Pentode No. 2
6JB6	6.3	4520-0138	28	91	B 6600	CAP = P on Adapter
6JE6	6.3	4520-0738	39	92	B 8100	CAP = P on Adapter
6JF6	6.3	4520-0738	32	92	B 7800	CAP = P on Adapter
6JG6	6.3	4520-9736	32	92	B 7800	
6JM6	6.3	1C50-032A	43	91	A 7000	CAP = P on Adapter
6JN6	6.3	1CB0-7324	43	91	A 7000	
6JS6A	6.3	1C50-0324	53	88	A 4300	CAP = P on Adapter
6JT6	6.3	4520-9736	44	91	A 7000	
6JZ8	6.3	1C70-4890	25	88	A 5000	Pentode Sect.
6JZ8	6.3	1CA0-20B0	29	65	A 1350	Triode Sect.
6K11	6.3	1C90-A048	24	75	A 2200	Triode No. 1
6K11	6.3	1C70-5068	12	58	A 1250	Triode No. 2
6K11	6.3	1CB0-2038	12	58	A 1250	Triode No. 3
6KD6	6.3	1C50-0324	70	90	A 5000	CAP = P on Adapter
6KM6	6.3	4520-0738	65	89	A 5000	CAP = P on Adapter
6KN6	6.3	1C50-0324	60	88	A 4500	CAP = P on Adapter
6KY8	6.3	4520-6730	41	88	A 5000	Pentode Sect.
6KY8	6.3	4590-8010	22	15	A 600	Triode Sect.
6LR8	6.3	4520-6730	40	87	A 4000	Pentode Sect.
6LR8	6.3	4590-8010	24	62	A 1400	Triode Sect.
6LU8	6.3	1C60-4890	40	87	A 4000	Pentode Sect.
6LU8	6.3	1CA0-20B0	24	62	A 1400	Triode Sect.
6M11	6.3	1C20-B3A0	11	86	A 3750	Pentode Sect.
6M11	6.3	1C80-7090	20	82	A 3000	Triode No. 1
6M11	6.3	1C50-6040	20	82	A 3000	Triode No. 2
6MD8	6.3	4560-3070	20	85	A 3500	Triode No. 1
6MD8	6.3	4580-2070	20	85	A 3500	Triode No. 2
6MD8	6.3	4590-1070	20	85	A 3500	Triode No. 3
6Q11	6.3	1C90-A048	24	75	A 2200	Triode No. 1
6Q11	6.3	1C70-5068	12	58	A 1250	Triode No. 2
6Q11	6.3	1CB0-2038	12	58	A 1250	Triode No. 3
6T9	6.3	1C80-BA90	15	87	A 4500	Pentode Sect.
6T9	6.3	1C40-2050	19	36	A 950	Triode Sect.
6T10	6.3	1C80-BA90	19	88	A 4500	Pentode No. 1
6T10	6.3	1C30-7625	14	21	B 630	Pentode No. 2

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.		NOTATIONS
6U10	6.3	1C90-A040	26	74	A	1900	Triode No. 1
6U10	6.3	1C70-5060	19	14	A	575	Triode No. 2
6U10	6.3	1CB0-2030	26	74	A	1900	Triode No. 3
6Y10	6.3	1C80-BA90	20	86	A	4000	Pentode No. 1
6Y10	6.3	1C30-7625	12	67	A	1600	Pentode No. 2
6Z10	6.3	1C70-4685	6	27	B	700	Pentode No. 1
6Z10	6.3	1CB0-9230	16	88	A	4350	Pentode No. 2
8AC9	7.5	1C90-BA87	10	87	A	4200	Pentode Sect.
8AC9	7.5	1C00-3040	0	85	C	----	Diode No. 1
8AC9	7.5	1C00-2030	0	85	C	----	Diode No. 2
8AR11	7.5	1CA0-89B7	10	81	A	2700	Pentode No. 1
8AR11	7.5	1C50-2364	10	81	A	2700	Pentode No. 2
8B10	7.5	1C50-6070	28	75	A	2000	Triode No. 1. Set "Line Adjust" to 1700 on 3000 scale.
8B10	7.5	1C30-4020	28	75	A	2000	Triode No. 2
8B10	7.5	1C00-A090	0	76	C	----	Diode No. 1
8B10	7.5	1C00-8090	0	76	C	----	Diode No. 2
8BA11	7.5	1C40-6387	10	15	A	600	Pentode No. 1
8BA11	7.5	1C40-2385	10	15	A	600	Pentode No. 2
8BA11	7.5	1C90-B0A0	30	62	A	1600	Triode Sect.
8BM11	7.5	1CB0-79A8	10	85	A	3700	Pentode No. 1
8BM11	7.5	1C60-2354	13	84	A	3500	Pentode No. 2
8BQ11	7.5	1CA0-89B7	5	85	A	4000	Pentode No. 1
8BQ11	7.5	1C50-2364	5	89	A	5000	Pentode No. 2
8BU11	7.5	1C80-A9B0	10	85	A	3800	Pentode Sect.
8BU11	7.5	1C60-7050	15	89	A	5000	Triode No. 1
8BU11	7.5	1C40-3020	15	89	A	5000	Triode No. 2
9BJ11	10.0	1CB0-79A8	10	66	A	1600	Pentode No. 1
9BJ11	10.0	1C60-2354	13	84	A	3300	Pentode No. 2
10AL11	10.0	1C80-BA90	14	87	A	4300	Pentode No. 1
10AL11	10.0	1C30-6724	20	21	A	620	Pentode No. 2
10GF7	10.0	4590-8010	19	35	A	700	Triode No. 1
10GF7	10.0	4520-6030	57	91	A	7200	Triode No. 2
10J10	10.0	1C70-4685	6	27	B	700	Pentode No. 1
10J10	10.0	1CB0-9230	16	88	A	4350	Pentode No. 2
11AR11	10.0	1CA0-89B7	10	81	A	2700	Pent. No. 1
11AR11	10.0	1C50-2364	10	81	A	2700	Pent. No. 2
11BQ11	12.6	1CA0-89B7	10	85	A	3500	Pentode No. 1. Set "Line Adjust" to 1400 on 3000 scale.
11BQ11	12.6	1C50-2364	10	87	A	4000	Pentode No. 2
11BT11	10.0	1CB0-2A86	13	89	A	6000	Pentode Sect.
11BT11	10.0	1C50-7060	16	77	A	2800	Triode No. 1
11BT11	10.0	1C30-9040	23	78	A	3000	Triode No. 2
11FY7	10.0	1CA0-B090	20	32	A	800	Triode No. 1
11FY7	10.0	1C30-5070	54	92	A	6500	Triode No. 2
12AE10	12.6	1C80-BA90	23	82	A	3200	Pentode No. 1
12AE10	12.6	1C30-7625	22	35	A	800	Pentode No. 2
12AL11	12.6	1C80-BA90	14	87	A	4300	Pent. No. 1
12AL11	12.6	1C30-6724	20	21	A	620	Pent. No. 2
12AX3	12.6	1C00-4070	0	82	D	----	
12AY3	12.6	4500-2090	0	87	D	----	
12BE3	12.6	1C00-A070	0	89	D	----	
12BF11	12.6	1C80-BA90	25	88	A	5000	Pentode No. 1
12BF11	12.6	1C30-7625	13	7	A	540	Pentode No. 2
12BS3	12.6	4500-2090	0	83	D	----	
12BT3	12.6	1C00-4070	0	88	D	----	

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8.

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
12G11	12.6	1C80-BA90	19	90	A 5600	Pentode No. 1
12G11	12.6	1C30-6724	10	10	A 500	Pentode No. 2
12GE5	12.6	1CB0-72A0	48	90	A 6000	
12GJ5	12.6	4560-0730	28	91	B 6600	CAP = P on Adapter
12GT5	12.6	4560-9730	28	91	B 6600	
12GV5	12.6	1C90-0BA0	44	91	A 7000	CAP = P on Adapter
12HE7	12.6	1C90-5B80	54	91	A 7000	Pentode Sect.
12HE7	12.6	1C00-2040	0	86	C ----	Diode Sect.
12JB6	12.6	4520-0138	28	91	B 6600	CAP = P on Adapter
12JN6	12.6	1CB0-7324	43	91	A 7000	
12JT6	12.6	4520-9736	44	91	A 7000	
12T10	12.6	1C80-BA90	19	88	A 4500	Pentode No. 1
12T10	12.6	1C30-7625	14	21	B 630	Pentode No. 2
13CW4	12.6	AC40-2080	23	79	A 2600	
13FM7	12.6	1CA0-B090	20	46	A 950	Triode No. 1
13FM7	12.6	1C80-5070	62	88	A 5250	Triode No. 2
13GF7	12.6	4590-8010	19	35	A 700	Triode No. 1
13GF7	12.6	4520-6030	57	91	A 7200	Triode No. 2
13J10	12.6	1C70-4685	6	27	B 700	Pentode No. 1
13J10	12.6	1CB0-9230	16	88	A 4350	Pentode No. 2
13V10	12.6	1C80-BA90	21	87	A 4200	Pentode No. 1
13V10	12.6	1C30-7625	24	0	A 500	Pentode No. 2
13Z10	12.6	1C70-4685	6	27	B 700	Pentode No. 1
13Z10	12.6	1CB0-9230	16	88	A 4350	Pentode No. 2
14BL11	12.6	1CB0-2A80	13	90	A 5500	Pentode Sect.
14BL11	12.6	1C50-7060	14	82	A 3000	Triode No. 1
14BL11	12.6	1C30-9040	22	82	A 3000	Triode No. 2
14BR11	12.6	1C20-B340	10	89	A 4750	Pentode Sect.
14BR11	12.6	1C80-6050	17	81	A 2600	Triode No. 1
14BR11	12.6	1CA0-9070	14	82	A 3000	Triode No. 2
15AF11	12.6	1CB0-2A90	8	90	A 5400	Pent. Sect. Set "Line Adjust" at 1450 on 3000 scale.
15AF11	12.6	1C60-8050	17	81	A 2700	Triode No. 1
15AF11	12.6	1C30-4070	13	82	A 2800	Triode No. 2
15BD11	17.0	1CB0-2A90	12	87	A 4500	Pent. Sect. Set "Line Adjust" at 1400 on 3000 scale.
15BD11	17.0	1C60-8050	13	78	A 2500	Triode No. 1
15BD11	17.0	1C30-4070	10	80	A 2750	Triode No. 2
15FM7	12.6	1CA0-B090	22	46	A 950	Triode No. 1. Set "Line Adjust" at 1700 on 3000 scale.
15FM7	12.6	1C80-5070	64	88	A 5250	Triode No. 2
15FY7	12.6	1CA0-B090	18	33	A 750	Triode No. 1. Set "Line Adjust" at 1450 on 3000 scale.
15FY7	12.6	1C30-5070	47	91	A 6500	Triode No. 2
15KY8	17.0	4520-6730	42	80	A 2550	Pent. Sect. Set "Line Adjust" at 1425 on 3000 scale.
15KY8	17.0	4590-8010	19	27	A 700	Triode Sect.
16GY5	17.0	1C90-0BA0	55	90	A 6250	CAP = P on Adapter
16KA6	17.0	1C50-03A4	57	89	A 5500	CAP = P on Adapter
17AB10	17.0	1C70-4685	6	27	B 700	Limiter Grid
17AB10	17.0	1C50-4687	13	0	B 500	Quadrature Grid
17AB10	17.0	1CB0-9230	25	83	A 3100	Pentode No. 2
17AX3	17.0	1C00-4070	0	82	D ----	
17AY3	17.0	4500-2090	0	87	D ----	
17BE3	17.0	1C00-A070	0	89	D ----	

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
17BF11	17.0	1C80-BA90	25	88	A 5000	Pentode No. 1
17BF11	17.0	1C30-7625	13	7	A 550	Pentode No. 2
17BH3	17.0	4500-2090	0	87	D ----	
17BS3	17.0	4500-2090	0	83	D ----	
17BZ3	17.0	1C00-A070	0	86	C ----	
17C9	17.0	4570-9860	15	85	A 3200	Tetrode No. 1
17C9	17.0	4510-32A0	15	85	A 3200	Tetrode No. 2
17GE5	17.0	1CB0-72A0	48	90	A 6000	
17GJ5	17.0	4560-0730	28	91	B 6600	CAP = P on Adapter
17GT5	17.0	4560-9730	28	91	B 6600	
17GV5	17.0	1C90-0BA0	44	91	A 7000	CAP = P on Adapter
17JB6	17.0	4520-0138	28	91	B 6600	CAP = P on Adapter
17JG6	17.0	4520-9736	32	92	B 7800	
17JM6	17.0	1C50-032A	43	91	A 7000	CAP = P on Adapter
17JN6	17.0	1CB0-7324	43	91	A 7000	
17JT6	17.0	4520-9736	44	91	A 7000	
17JZ8	17.0	1C70-4890	33	88	A 5000	Pentode Sect.
17JZ8	17.0	1CA0-20B0	31	57	A 1350	Triode Sect.
17LD8	17.0	4520-6730	33	90	A 5750	Pentode Sect.
17LD8	17.0	4590-8010	28	69	A 1650	Triode Sect.
17X10	17.0	1C70-4685	6	27	B 700	Limiter Grid
17X10	17.0	1C50-4687	13	0	B 500	Quadrature Grid
17X10	17.0	1CB0-9230	25	83	A 3100	Pentode No. 2
19Q9	20.0	4510-32A6	10	82	A 3100	Pentode Sect.
19Q9	20.0	4580-9076	18	87	A 4600	Triode Sect.
21GY5	20.0	1C50-07A0	30	92	B 9000	CAP = P on Adapter
21HB5	20.0	1CB0-72A0	57	89	A 5600	
21HD5	20.0	1CB0-79A0	54	89	A 6000	
21HJ5	20.0	1CB0-792A	54	90	A 6500	
21JV6	20.0	1CB0-732A	55	91	A 7000	
21JZ6	20.0	1C50-0324	56	91	A 7000	CAP = P on Adapter
21KA6	20.0	1C50-03A4	57	89	A 5500	CAP = P on Adapter
21LR8	20.0	4520-6730	40	87	A 4000	Pentode Sect.
21LR8	20.0	4590-8010	24	62	A 1400	Triode Sect.
21LU8	20.0	1C60-4890	40	87	A 4000	Pentode Sect.
21LU8	20.0	1CA0-20B0	24	62	A 1400	Triode Sect.
22BH3	20.0	4500-2090	0	87	D ----	Set "Line Adjust" at 1800 on 3000 scale.
22BW3	20.0	1C00-A070	0	89	D ----	
22JF6	20.0	4520-0738	32	92	B 7800	CAP = P on Adapter
22JG6	20.0	4520-9736	32	92	B 7800	
22JU6	20.0	4520-0738	57	89	A 4000	CAP = P on Adapter
23Z9	25.0	1C80-5970	35	88	A 5000	Pentode Sect.
23Z9	25.0	1CA0-B070	20	76	A 2200	Triode No. 1
23Z9	25.0	1C30-2070	30	69	A 1800	Triode No. 2
24GA7	25.0	1C40-7350	58	89	A 4500	Pentode Sect.
24GA7	25.0	1C00-B080	0	85	D ----	Diode Sect.
28HD5	25.0	1CB0-79A0	54	89	A 6000	
30AG11	35.0	1C50-6040	15	87	A 4000	Triode No. 1. Set "Line Adjust" at 1350 on 3000 scale.
30AG11	35.0	1C80-7090	15	87	A 4000	Triode No. 2
30AG11	35.0	1C00-A0B0	0	76	C ----	Diode No. 1
30AG11	35.0	1C00-3020	0	76	C ----	Diode No. 2
31JS6A	35.0	1C50-0324	53	88	A 4300	CAP = P on Adapter

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.		NOTATIONS
32GA7	35.0	1C40-7350	58	89	A	4500	Pentode Sect.
32GA7	35.0	1C00-B080	0	85	D	----	Diode Sect.
33GT7	35.0	1CB0-5A80	31	91	B	6000	Pentode Sect.
33GT7	35.0	1C00-2040	0	95	D	----	Diode Sect.
33GY7	35.0	1CA0-5B80	31	91	B	6000	Pentode Sect.
33GY7	35.0	1C00-2040	0	95	D	----	Diode Sect.
33JV6	35.0	1CB0-732A	55	91	A	7000	
34CD3	35.0	1C00-A070	0	93	D	----	
34CE3	35.0	1C00-4070	0	86	C	----	
38HE7	50.0	1C90-5B80	51	91	A	7000	Pentode Sect. Set "Line Adjust" at 1400 on 3000 scale.
38HE7	50.0	1C00-2040	0	85	C	----	Diode Sect.
38HK7	35.0	1C90-5B80	55	90	A	6000	Pentode Sect.
38HK7	35.0	1C00-2040	0	87	C	----	Diode Sect.
42KN6	50.0	1C50-0324	60	89	A	500	CAP = P on Adapter
7586	6.3	AC40-2080	28	78	A	2500	
7587	6.3	AC40-0280	11	85	B	3800	CAP = P on Adapter
7868	6.3	4560-9730	18	89	A	5200	
7895	6.3	AC40-2080	22	82	A	3200	
7984	12.6	1CA0-3B90	42	87	A	4050	
8056	6.3	AC40-2080	10	75	C	----	OK above 1300 on 3000 scale.
8058	6.3	AC00-0080	19	85	A	3800	CAP = P; SHELL = G on Adapter
8149	12.6	1CA0-7890	44	88	A	4500	
8150	12.6	1CA0-0860	44	88	A	4500	CAP = P on Adapter
8156	12.6	1CA0-3760	25	90	A	5000	
8203	6.3	AC40-2080	29	78	A	2400	
8393	12.6	AC40-2080	27	85	A	3700	